

CD RECEIVER

# KDC-2011S/2012

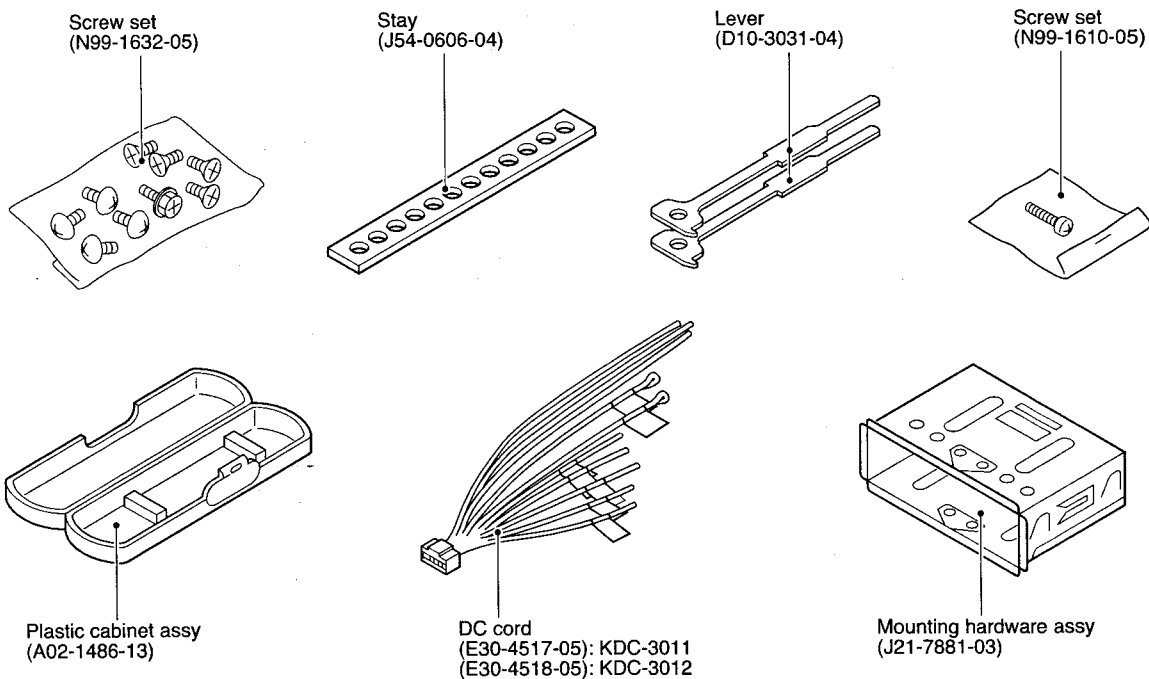
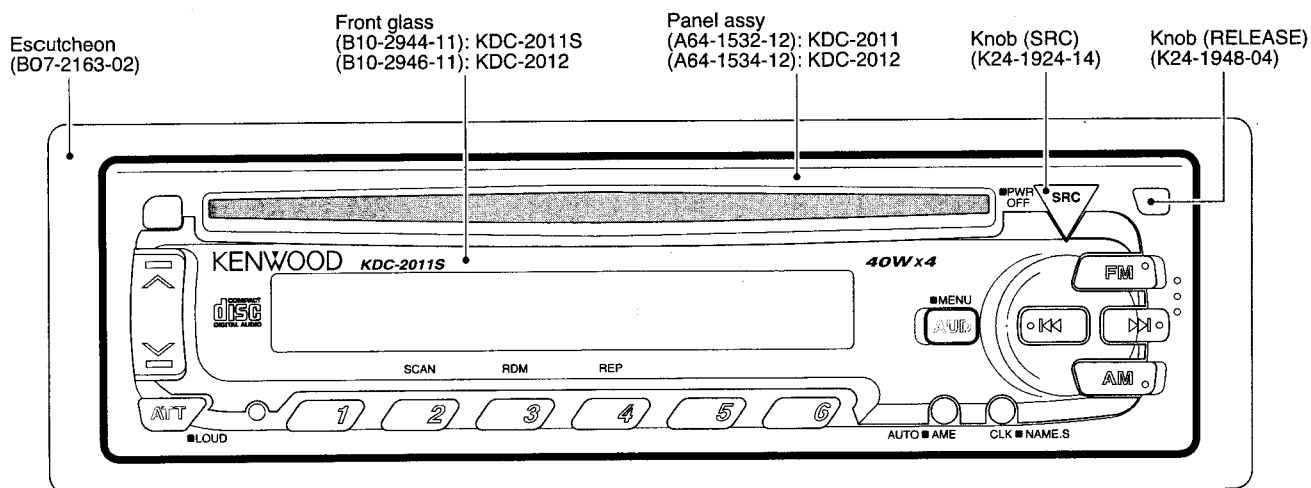
## SERVICE MANUAL

# KENWOOD

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B51-7411-00 (K) 1720

### Illustration is KDC-2011S (For KDC-2011S/2012)

Extension cord	Parts No.
CD mechanism(22P)	W05-0618-00



The MECHANISM OPERATION DESCRIPTION is the same as model KDC-S3007.

Please refer to the service manual for model KDC-S3007(B51-7092-00).

MC-Service

# KDC-2011S/2012

## CONTENTS/BLOCK DIAGRAM

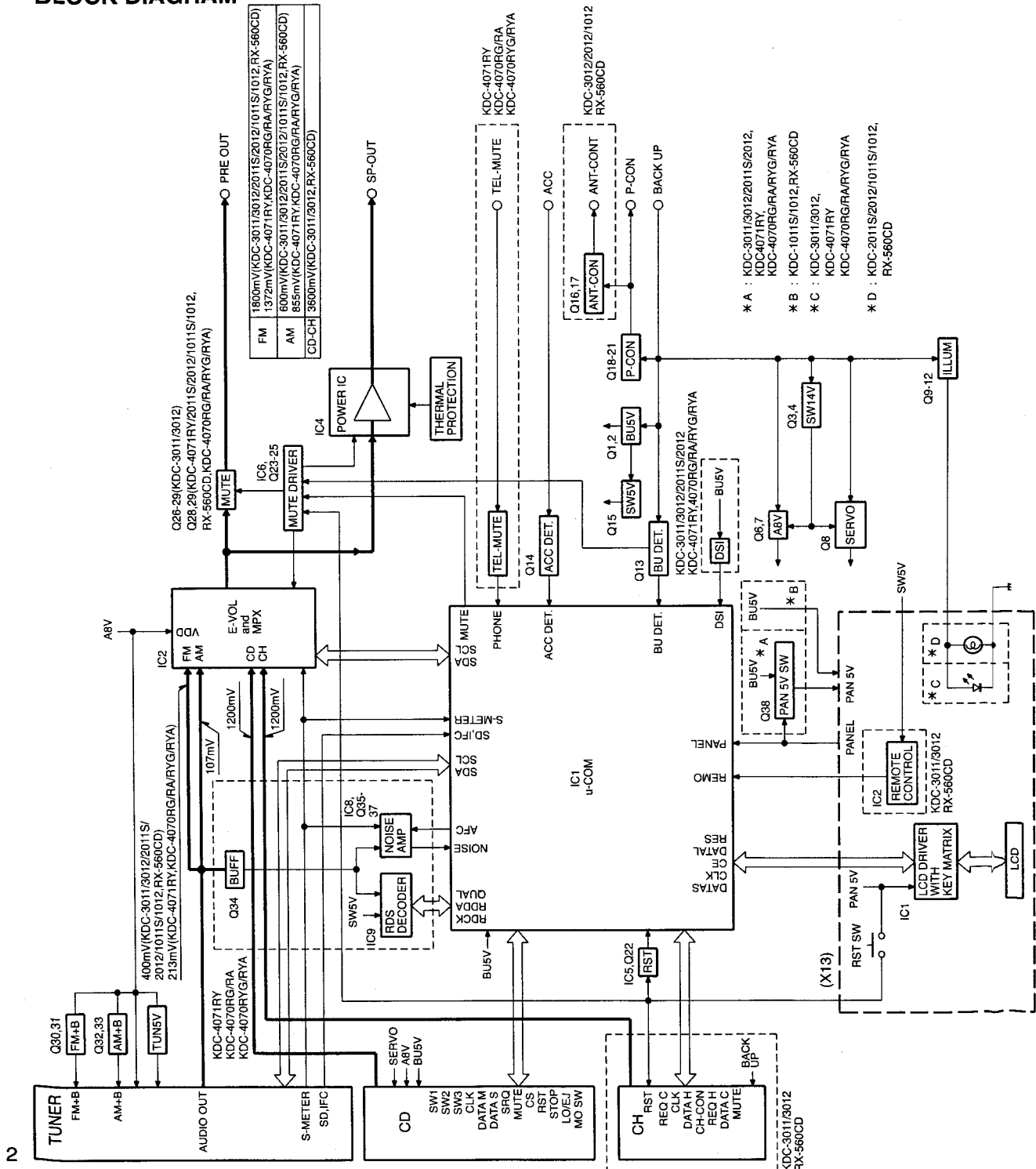
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### BLOCK DIAGRAM



# KDC-2011S/2012

## COMPONENT DESCRIPTION

### ● SWITCH UNIT(X13-9XXX-XX)

Ref.No.	Component Name	Application/Function	Operation/Condition/Compatibility
IC1	LC75883E	LCD driver with key-matrix	—
Q1	DTA114EKorUN2111	key-matrix permission sw	ready on key-matrix

### ● ELECTRIC UNIT(X25-8XXX-XX)

Ref.No.	Component Name	Application/Function	Operation/Condition/Compatibility
IC1	UPD78016FGC558	System u-COM.	—
IC2	TDA7461ND	E-VOL&NC MPX	—
IC4	TDA7384A	Power IC	—
IC5	PST9137NR	Reset IC	Detection voltage below 3.7V : L
IC6	HD74HC27FP	Mute logic	—
Q1	2SB1565F(E, F)	BU 5V AVR	inverted darlington connection On during BU applied
Q2	2SC1740S		
Q3	DTA124EKorUN2112orKRA103S	SW14V	On while power is on
Q4	DTC144EKorUN2213orKRC104S		
Q6	2SB1184	Audio 8V AVR	inverted darlington connection On while power is on
Q7	2SC2412Kor2SD601A		
Q8	2SD2396F40	Servo AVR	ON while power is on
Q9	UN5213orDTC144EUA	Illumination AVR	ON while power is on
Q10	UN5112orDTA124EUA		
Q11	2SB1184		
Q12	2SC1740S		
Q13	2SD1819Aor2SC4081	Momentary power down detection	H when momentary power down detected
Q14	2SC2412Kor2SD601A	ACC detection	H during ACC off
Q15	2SA1036K	SW 5V	ON while power is on
Q16	2SB1277(Q, R)	P-ANT SW	ON during FM/AM reception
Q17	DTC114YKorUN2214		
Q18	2SB1277(Q, R)	P-CON SW	ON while power is on
Q21	DTC114YKorUN2214		
Q19	2SA1037K	Protection for P-CON SW	Activates when the P-CON output voltage drops
Q20	DTA124EKorUN2112orKRA103S		
Q22	UN5213orDTC144EUA	Reset	ON when panel reset SW pressed
Q23	DTA124EKorUN2112orKRA103S	Audio mute driver	Mute driver for Audio mute SW and E-VOL mute SW
Q24	DTC144EKorUN2213orKRC104S	E-VOL mute SW	E-VOL is muted when the base goes "H"
Q25	DTC144EKorUN2213orKRC104S	SVR SW	Power IC reset
Q28	DTC143TKorUN2216	Audio mute SW	Audio preout is muted when the base goes "H"
Q29	DTC143TKorUN2216		
Q30	2SB1277(Q, R)	FM +B SW	ON during FM reception
Q31	DTC124EKorUN2212		
Q32	2SB1277(Q, R)	AM +B SW	ON during AM reception
Q33	DTC124EKorUN2212		

### ● CD PLAYER UNIT(X32-4280-00)

Ref.No.	Component Name	Application/Function	Operation/Condition/Compatibility
IC1	AN8806SB	RF amplifier	Generation of RF signal based on the signals from the APC circuit and pickup, and generation of servo error(focusing error and tracking error)signals. Detection of dropout, anti-shock, track crossing and off-track conditions.
IC2	MN662747RPH	CD signal processor IC	Focusing, tracking, sled and spindle servo processing. Automatic adjustment(focusing, tracking, gain, offset and balance)operations.Digital signal processing (DSP, PLL, sub-codes, CIRC error correction, audio data interpolation)operations.
IC3	M37471M8-708FP	Mechanism control u-COM.	—
IC4	BA6790FP	BTL driver	Focusing coil, tracking coil and sled motor driver
IC5	TA78L05F	5V AVR	—
IC6	NJM4565MD	Low pass filter	—
Q1	2SA1362(Y)	APC	LD power control
Q2	DTC124EK	POWER SW	Power on during the source selected CD
Q3	2SA1362(Y)		A8V line control
Q4	2SA1362(Y)		D5V line control
Q5	DTC124EK		Power on during CD loading or eject action
Q6	2SA1037K	X1 oscillation stop	Off during the source selected CD
Q12	DTC124EK	Track cross SW	On during play
Q21	2SA1576A	CDR SW	Off during CDR play

# KDC-2011S/2012

## MICROCOMPUTER'S DESCRIPTION

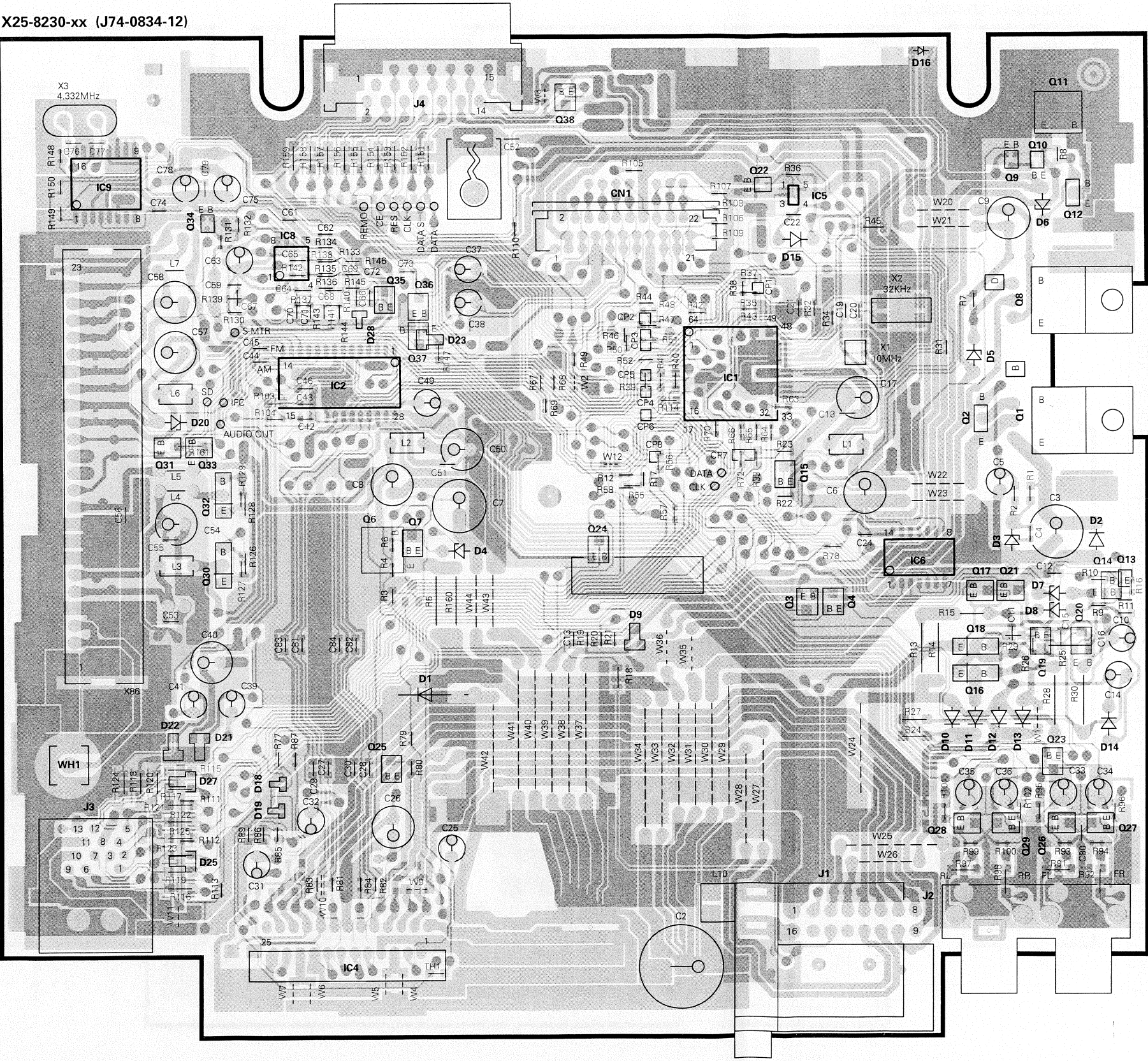
### ● Terminal Description

Pin No.	Pin Name	I/O	Function	Description	Processing Operation
1	P30/TO0	O	L RES	Reset output to the LCD driver IC	Active : L
2	P31/TO1	O	L CE/TYPE0	CE output to the LCD driver IC/switch model 0	Active : $\nabla$ , H
3	P32/TO2	O	M CS	Handshake request to the u-COM. of CD mecha.	Active : $\nabla$ , L
4	P33/TO1	O	M RST	Reset output to the u-COM. of CD mecha.	Active : L
5	P34/TO2	O	M STOP	Stop request to the u-COM. of CD mecha.	Active : L
6	P35/PCL	I/O	LO/EJ	CD mecha.Loading/Eject switching output	Loading : L, Eject : H
7	P36/BUZ	O	BEEP	BEEP sound output	BEEP : 2.4kHz square wave
8	P37	O	MOSW	Start up the loading motor of CD mecha. when the CD loading&eject action	Loading&eject : H, other : L
9	Vss	-	-	connected to GND	-
10	P40/AD0	I	SW3	Down&limit switch detection	ON : L
11	P41/AD1	I	PANEL	Panel open/close detection	Panel closed : L
12	P42/AD2	I	IC2 TYPE0	IC2 setting terminal	Initial value : L
13	P43/AD3	I	IC2 TYPE1	IC2 setting terminal	Initial value : L
14	P44/AD4	I	SD	FM/AM SD input from the tuner pack	Station detected : H Not detected : L
15	P45/AD5	I	IFC	AM IF count input from the tuner pack	-
16	P46/AD6	I	BU DET	Momentary power down detection	Momentary power down : H
17	P47/AD7	I	ACC DET	ACC detection	ACC OFF : H
18	P50/A8	O	AM+B	AM+B control	Active : H
19	P51/A9	O	FM+B	FM+B control	Active : H
20	P52/A10	O	REQ H	Request output to changers	Requested : $\nabla$
21	P53/A11	O	CH	Changer control	Standby : L/ON : H
22	P54/A12	O	P MUTE	Power IC mute control	Active : L
23	P55/A13	O	SVR	Power IC reset	Power on : L
24	Vss	-	-	connected to GND	-
25	P56/A14	O	IC2 SCK	Clock output to the E-VOL IC	-
26	P57/A15	O	DSI	DSI output	-
27	P60	I/O	PLL SDA	Data output to the PLL IC	-
28	P61	O	PLL SCK	Clock output to the PLL IC	-
29	P62	I/O	IC2 SDA	Data output to the E-VOL IC	-
30	P63	O	MUTE	Audio mute control	Active : H
31	P64/RD	O	ANT CONT	Antenna control	Active : H
32	P65/WR	O	P CON	External Power control	Active : H
33	P66/WAIT	O	SW5	SW 5V control	Active : L
34	P67/ASTB	O	P ON	Internal Power control	Active : H
35	RESET	I	RESET	System initialize	Active : L
36	P00/INTP0/TIO	I	REMO	Data input from the remote control light sensor	-
37	P01/INTP1	O	R CLK	NC	-
38	P02/INTP2	I	REQ C	Request input from changers	Active : $\nabla$
39	P03/INTP3	I	M SRQ	Handshake request from the u-COM. of CD mecha.	-
40	Vdd	-	-	connected to BU5V lines	-
41	X2	-	X2	connected to the resonator for main clock	-
42	X1	I	X1	connected to the resonator for main clock	-
43	IC(Vpp)	-	Vss	connected to GND	-
44	XT2	-	XT2	connected to the resonator for sub clock	-
45	P04/XT1	I	XT1	connected to the resonator for sub clock	-
46	Avss	-	Avss	connected to GND	-
47	P10/ANI0	I	SMT	S-meter input from the tuner pack	-
48	P11/ANI1	O	PHONE	NC	-
49	P12/ANI2	O	NOISE	NC	-
50	P13/ANI3	O	ILL ON	Illumination control	Active : H
51	P14/ANI4	I	SW2	12cm disc detection	Active : L
52	P15/ANI5	I	SW1	Loading detection	Active : L
53	P16/ANI6	O	M CLK	Clock output to the u-COM. of CD mecha	-
54	P17/ANI7	I	M DATAM	Data input from the u-COM. of CD mecha	-
55	Avdd	-	-	connected to BU5V lines	-
56	AVref	-	-	connected to BU5V lines	-
57	P20/SI1	I	L DATAL	Data input from the LCD driver IC	-
58	P21/SO1	O	L DATAS/TYPE1	Data output to the LCD driver IC/switch model 1	-
59	P22/SCK1	O	L CLK/TYPE2	Clock output to the LCD driver IC/switch model 2	-
60	P23/STB	O	M DATAS	Data output to the u-COM. of CD mecha.	-
61	P24/BUSY	I	M MUTE	Muting request from the u-COM. of CD mecha	Active : L
62	P25/SI0/SB0	I	DATA C	Data input from changers	-
63	P26/SO0/SB1	O	DATA H	Data output to changers	-
64	P27/SCK0	I/O	CH CLK	Clock input/output with changers	-



# PC BOARD(Component side view)

X25-8230-xx (J74-0834-12)



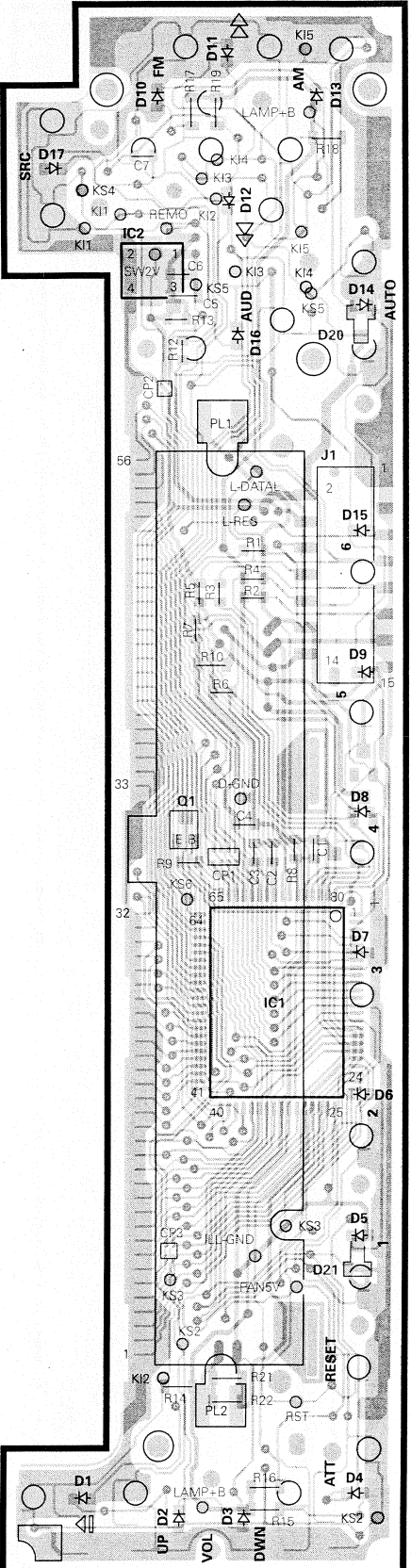
(X13-)

IC	Q	address
1		5I
	1	4I

(X25-)

IC	Q	address
1		3E
2		3C
4		6C
5		2E
6		4F
	1	3F
	2	3F
	3	4E
	4	4E
	6	4C
	7	4C
	8	3F
	9	2F
	10	2G
	11	1G
	12	2G
	13	4G
	14	4G
	15	4E
	16	5F
	17	4F
	18	4F
	19	5G
	20	4G
	21	4F
	22	2E
	23	5G
	24	4D
	25	5C
	28	5F
	29	6F
	30	4B
	31	3B
	32	4B
	33	3B
	38	2D

X13-9440-11 (J74-0844-12)



Refer to the schematic diagram for the value of resistors and capacitors.





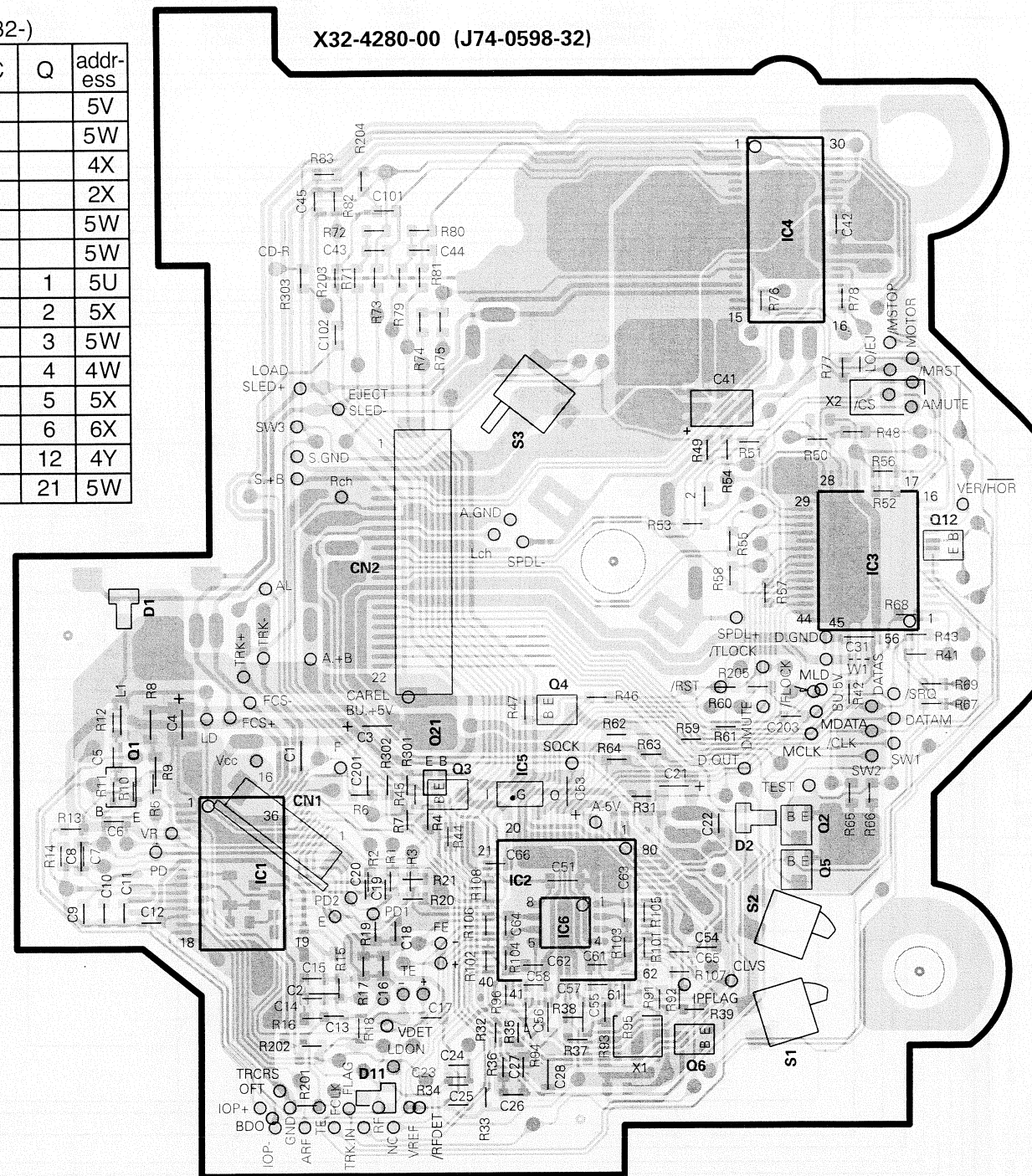


# PC BOARD(Component side view)

(X32-)

IC	Q	address
1		5V
2		5W
3		4X
4		2X
5		5W
6		5W
	1	5U
	2	5X
	3	5W
	4	4W
	5	5X
	6	6X
	12	4Y
	21	5W

X32-4280-00 (J74-0598-32)

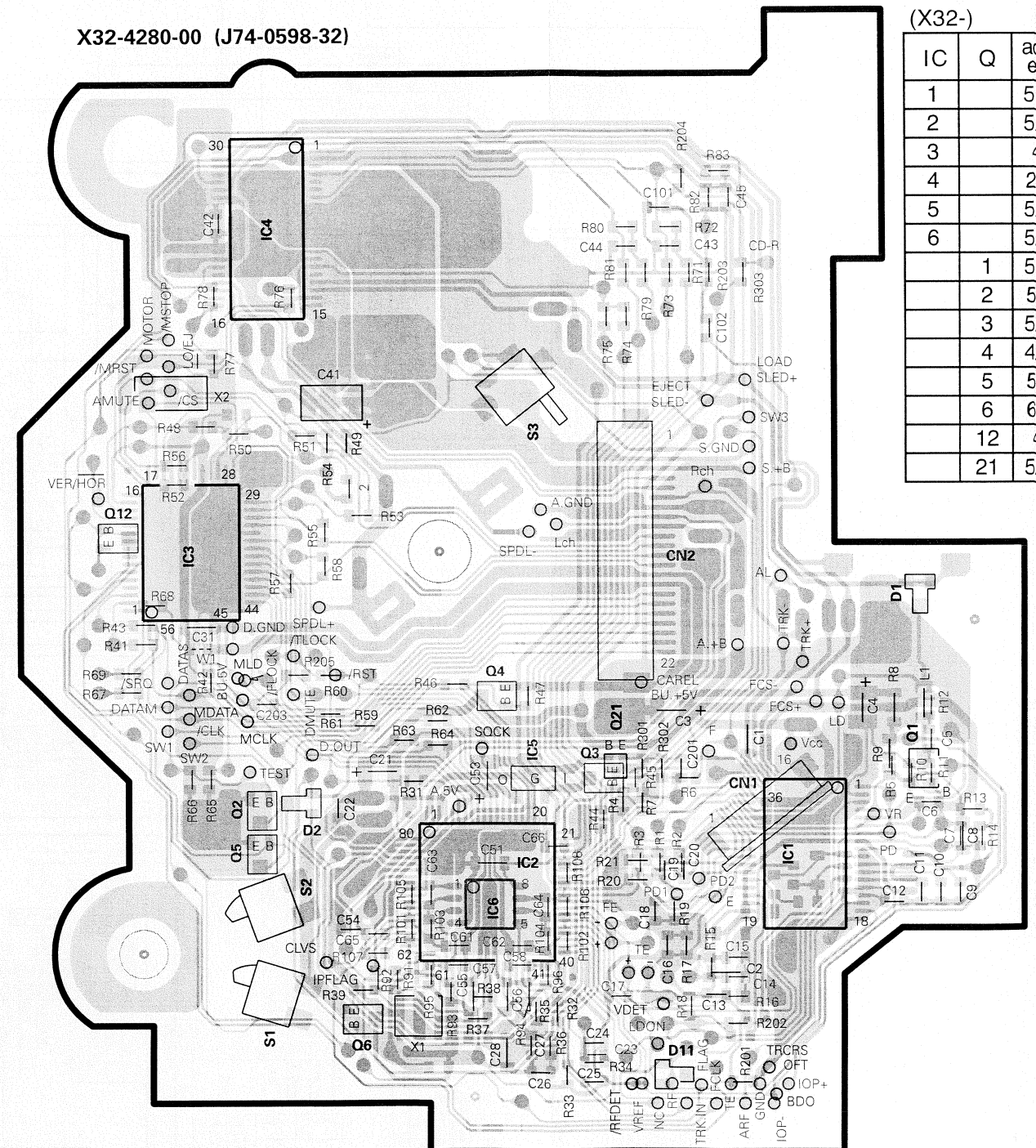


# PC BOARD(Foil side view)

X32-4280-00 (J74-0598-32)

(X32-)

IC	Q	address
1		5AC
2		5AB
3		4Z
4		2AA
5		5AB
6		5AB
	1	5AC
	2	5AA
	3	5AB
	4	4AB
	5	5AA
	6	6AA
	12	4Z
	21	5AB



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A

B

C

D

E

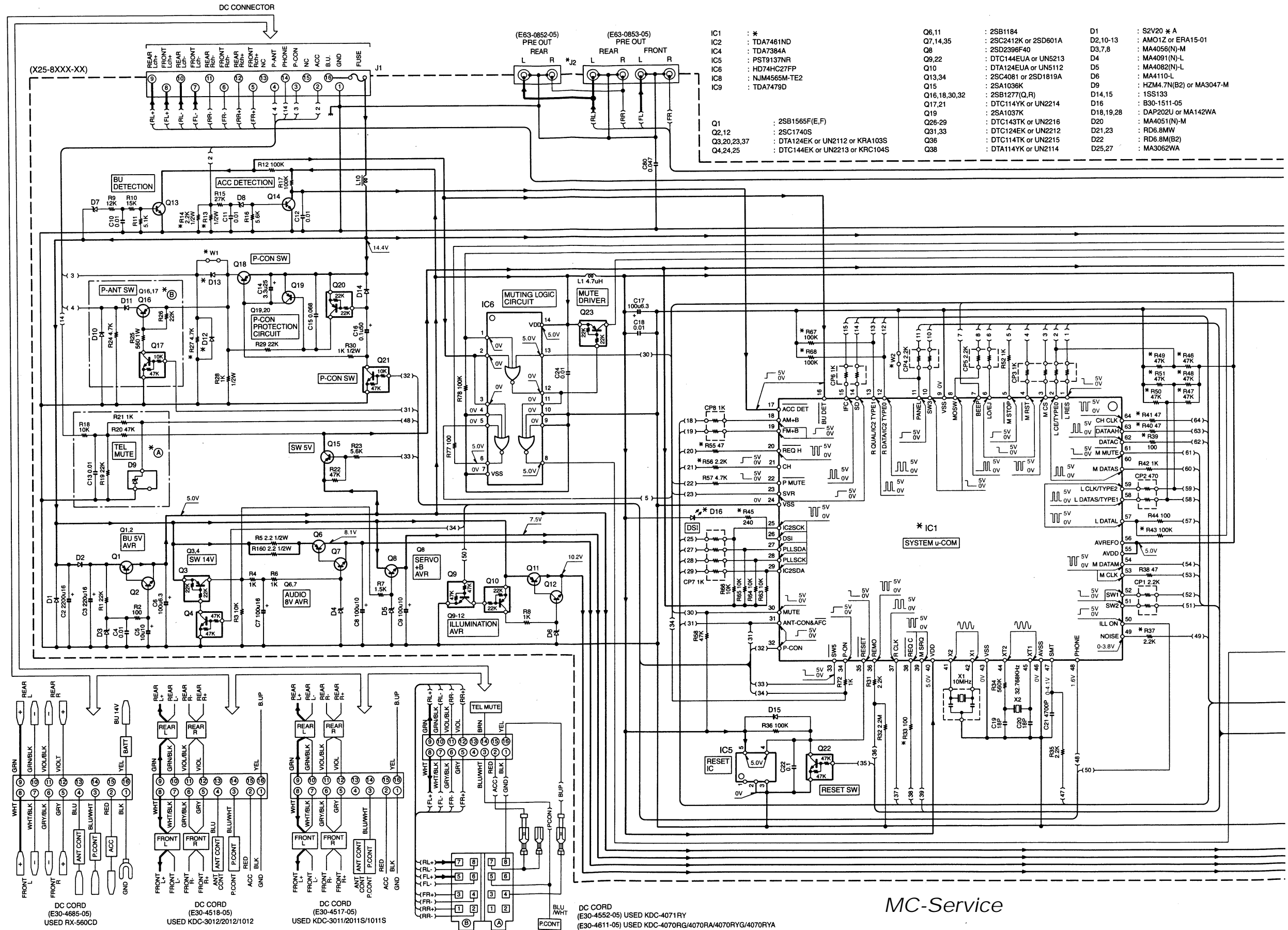
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G

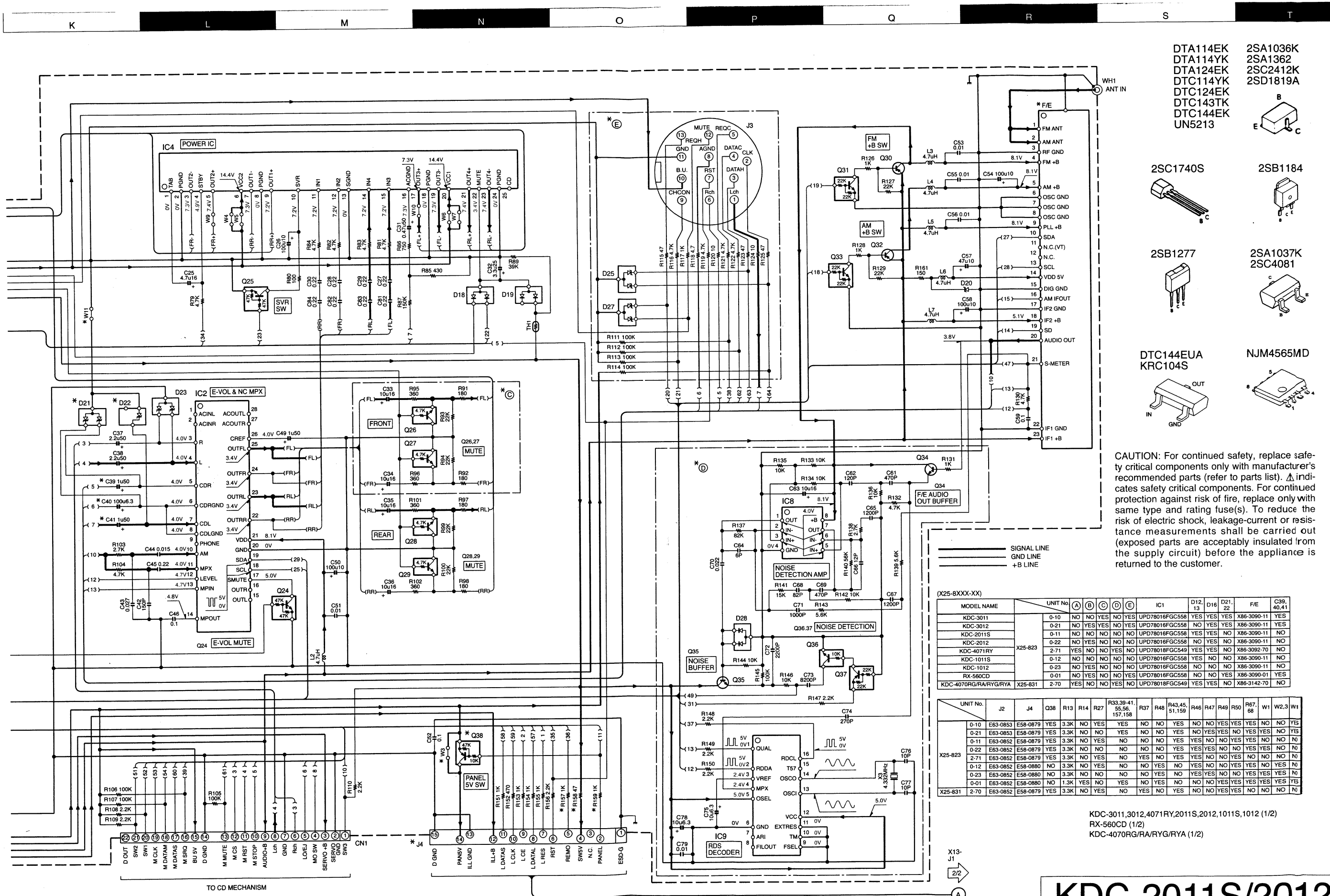
H

I

J







DTA114EK  
DTA114YK  
DTC114YK  
DTC124EK  
DTC143TK  
DTC144EK  
UN5213

2SC1740S

2SB1277

DTC144EUA  
KRC104S

2SA1036K  
2SA1362  
2SC2412K  
2SD1819A

2SB1184

2SA1037K  
2SC4081

NJM4565MD

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

MODEL NAME	UNIT No.	(A)	(B)	(C)	(D)	(E)	IC1	D12, 13	D16	D21, 22	F/E	C39, 40, 41
KDC-3011	0-10	NO	NO	YES	NO	YES	UPD78016FGC558	YES	YES	YES	X86-3090-11	YES
KDC-3012	0-21	NO	YES	YES	NO	YES	UPD78016FGC558	NO	YES	YES	X86-3090-11	YES
KDC-2011S	0-11	NO	NO	NO	NO	NO	UPD78016FGC558	YES	YES	NO	X86-3090-11	NO
KDC-2012	0-22	NO	YES	NO	NO	NO	UPD78016FGC558	NO	YES	NO	X86-3090-11	NO
KDC-4071RY	2-71	YES	NO	NO	YES	NO	UPD78016FGC549	YES	YES	NO	X86-3092-70	NO
KDC-1011S	0-12	NO	NO	NO	NO	NO	UPD78016FGC558	YES	NO	NO	X86-3090-11	NO
KDC-1012	0-23	NO	YES	NO	NO	NO	UPD78016FGC558	NO	NO	NO	X86-3090-11	NO
RX-560CD	0-01	NO	YES	NO	NO	YES	UPD78016FGC558	NO	NO	YES	X86-3090-01	YES
KDC-4070RG/RA/RYG/RYA	X25-831	2-70	YES	NO	NO	YES	UPD78016FGC549	YES	YES	NO	X86-3142-70	NO

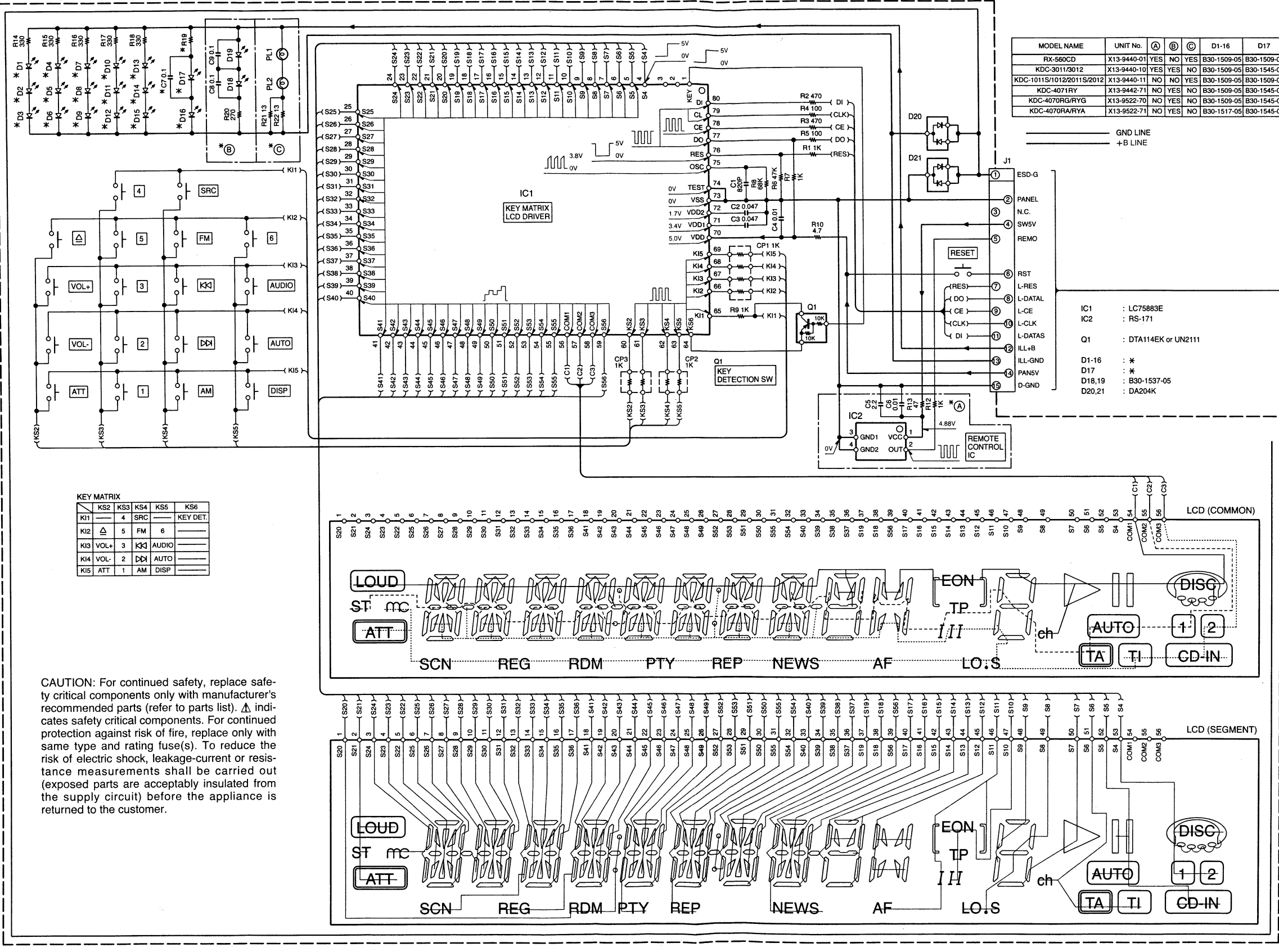
UNIT No.	J2	J4	Q38	R13	R14	R27	R33, 39-41, 55, 56, 157, 158	R37	R48	R43, 45, 51, 159	R46	R47	R49	R50	R67, 68	W1	W2, 3	W1
0-10	E63-0853	E58-0879	YES	3.3K	NO	YES	YES	NO	NO	YES	NO	NO	YES	YES	YES	NO	NO	YES
0-21	E63-0853	E58-0879	YES	3.3K	NO	YES	YES	NO	NO	YES	NO	YES	YES	YES	YES	NO	NO	YES
0-11	E63-0852	E58-0879	YES	3.3K	NO	YES	YES	NO	NO	YES	YES	YES	YES	YES	YES	NO	NO	YES
0-22	E63-0852	E58-0879	YES	3.3K	NO	YES	YES	NO	NO	YES	YES	YES	YES	YES	YES	NO	NO	YES
2-71	E63-0852	E58-0879	YES	3.3K	NO	YES	YES	NO	NO	YES	YES	YES	YES	YES	YES	NO	NO	YES
0-12	E63-0852	E58-0880	NO	3.3K	NO	YES	YES	NO	NO	YES	YES	YES	YES	YES	YES	NO	NO	YES
0-23	E63-0852	E58-0880	NO	3.3K	NO	YES	YES	NO	NO	YES	YES	YES	YES	YES	YES	NO	NO	YES
0-01	E63-0852	E58-0880	NO	1.3K	YES	NO	YES	NO	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES
X25-831	2-70	E63-0852	E58-0879	YES	3.3K	NO	YES	NO	YES	NO	YES	NO	YES	YES	YES	NO	NO	YES

KDC-3011, 3012, 4071RY, 2011S, 2012, 1011S, 1012 (1/2)  
RX-560CD (1/2)  
KDC-4070RG/RA/RYG/RYA (1/2)

**KDC-2011S/2012**  
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SWITCH UNIT (X13-9XXX-XX)

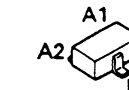


MODEL NAME	UNIT No.	A	B	C	D1-16	D17	C7	R19
RX-560CD	X13-9440-01	YES	NO	YES	B30-1509-05	B30-1509-05	NO	470
KDC-3011/3012	X13-9440-10	YES	YES	NO	B30-1509-05	B30-1545-05	YES	390
KDC-1011S/1012/2011S/2012	X13-9440-11	NO	NO	YES	B30-1509-05	B30-1509-05	NO	470
KDC-4071RY	X13-9442-71	NO	YES	NO	B30-1509-05	B30-1545-05	YES	390
KDC-4070RG/RYG	X13-9522-70	NO	YES	NO	B30-1509-05	B30-1545-05	YES	390
KDC-4070RA/RYA	X13-9522-71	NO	YES	NO	B30-1517-05	B30-1545-05	YES	390

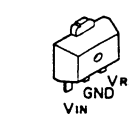
GND LINE  
+B LINE

IC1 : LC75883E  
IC2 : RS-171  
Q1 : DTA114EK or UN2111  
D1-16 : \*  
D17 : \*  
D18,19 : B30-1537-05  
D20,21 : DA204K

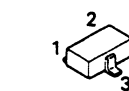
DAN202K



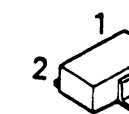
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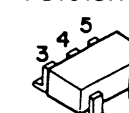
DAP202U  
DA204K



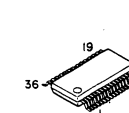
MA142WA



PST9137NR



AN8806SB

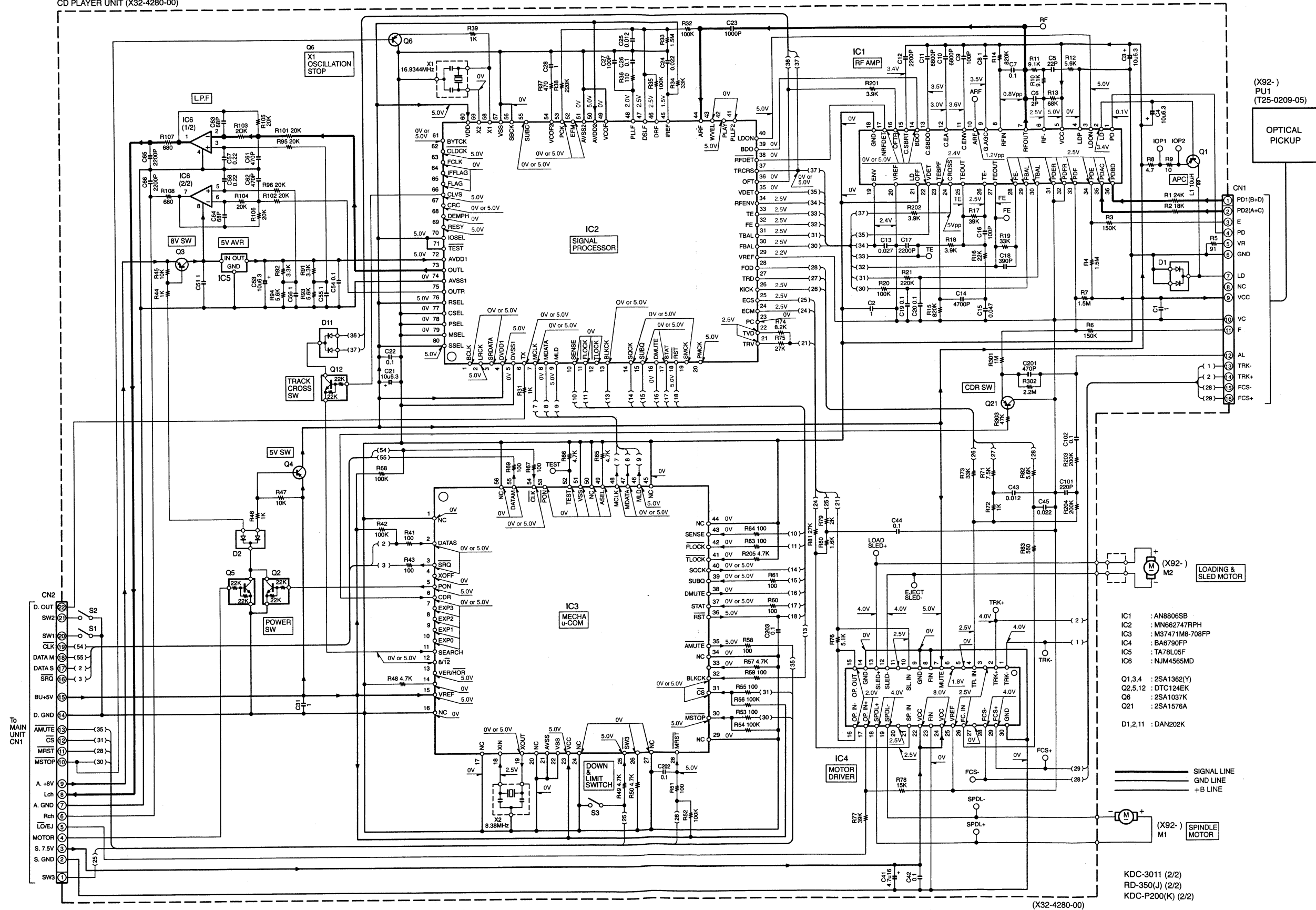


KDC-3011/3012/4071RY,KDC-2011S/2012,KDC-1011S/1012,RX-560CD,KDC-4070RG/RA/RYG/RYA (2/2)

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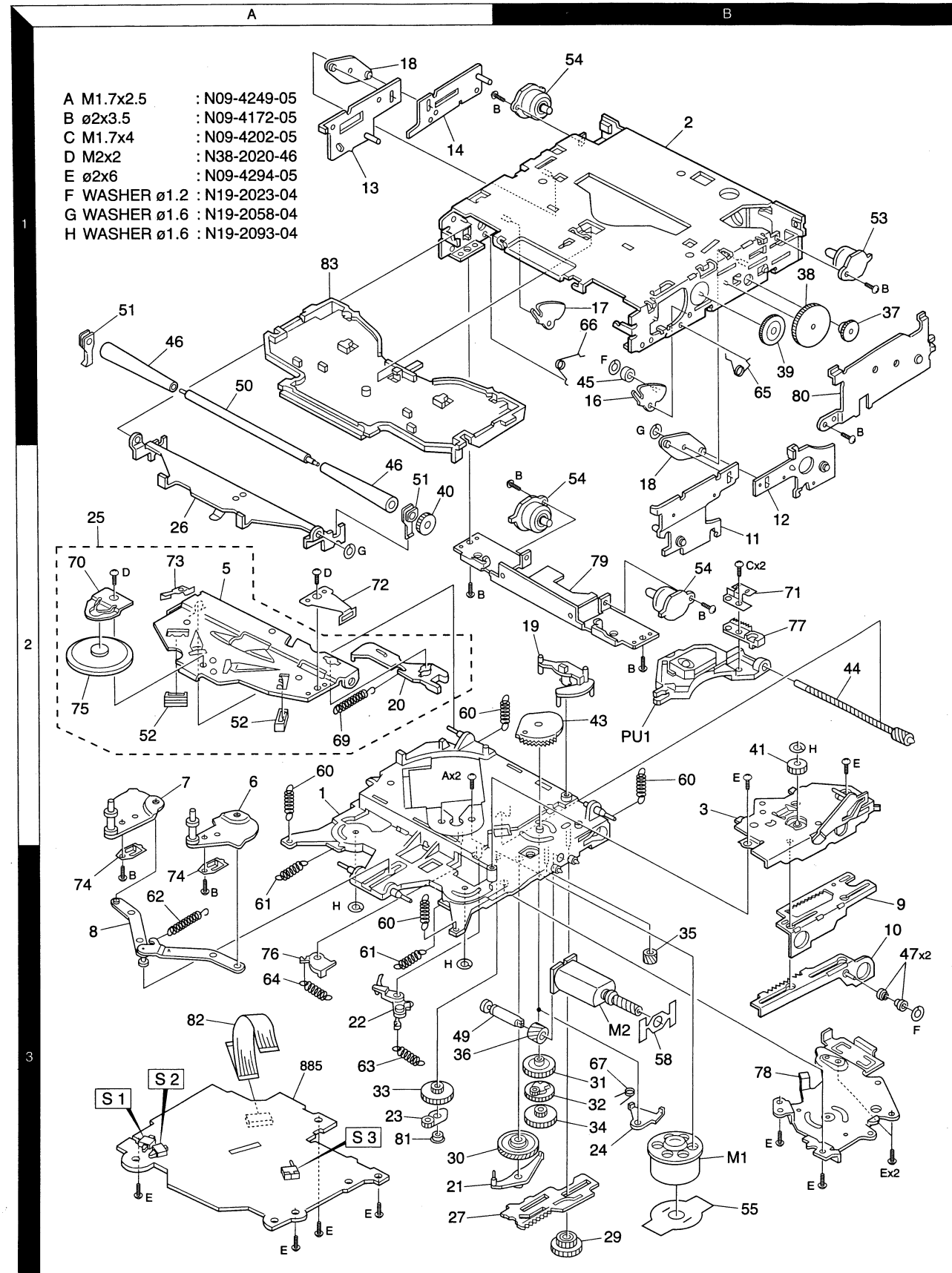
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## CD PLAYER UNIT (X32-4280-00)



# KDC-2011S/2012

## EXPLODED VIEW (MECHANISM)

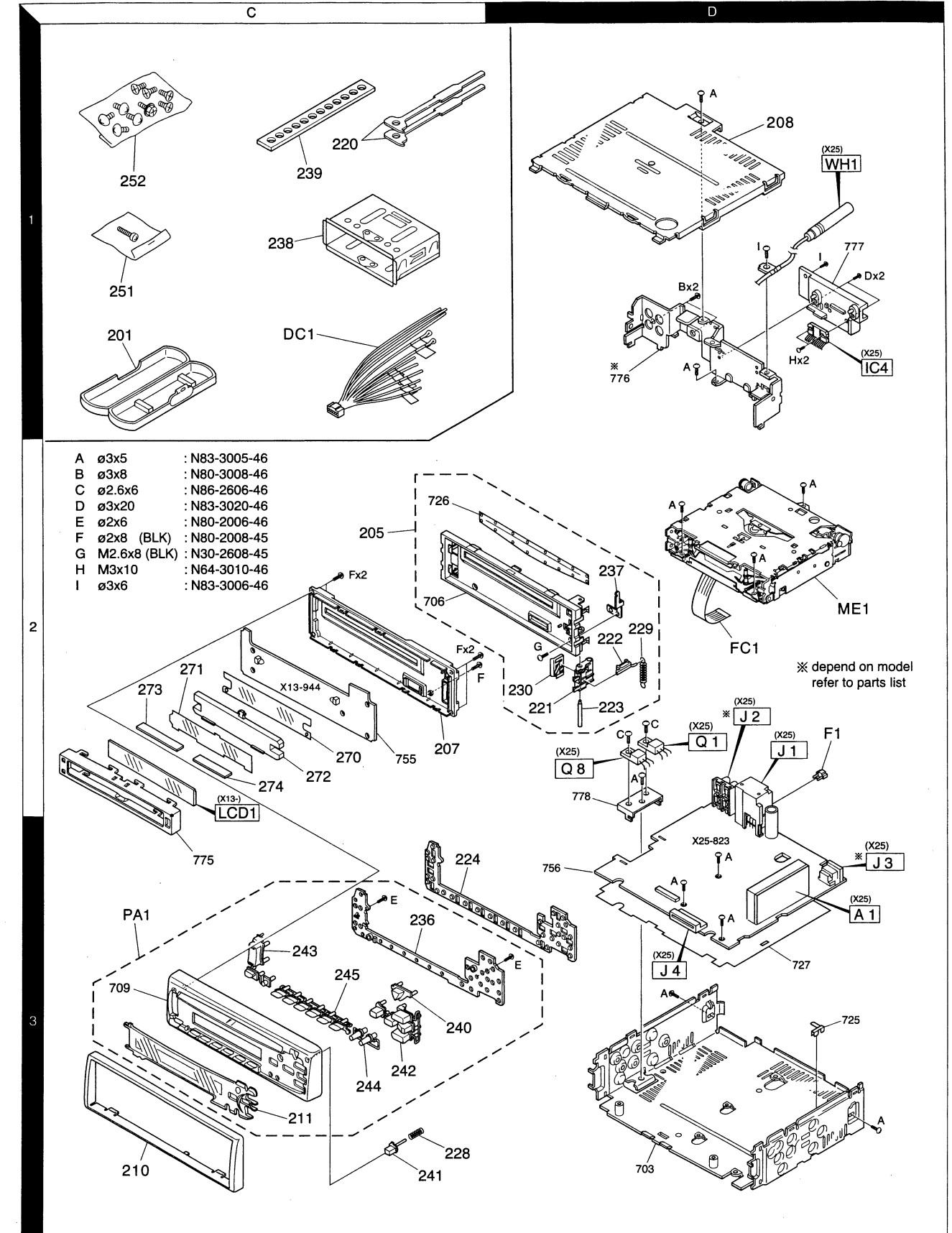


19

Parts with exploded numbers larger than 700 are not supplied.

# KDC-2011S/2012

## EXPLODED VIEW (UNIT)



20

Parts with exploded numbers larger than 700 are not supplied.



# KDC-2011S/2012

## PARTS LIST

\* New Parts  
Parts without Parts No. are not  
Les articles non mentionnés dans le Parts No. ne sont pas fournis.  
Teile ohne Parts No. werden nicht geliefert.

Ref.No.	A d d	N e w	Parts No.	Description	Dest inati on
<b>KDC-2011S/2012</b>					
201	1C	*	A02-1486-13	PLASTIC CABINET ASSY	
205	2C	*	A22-2299-23	SUB PANEL ASSY	
207	2C	*	A46-1603-11	REAR COVER	
208	1D	*	A52-0739-02	TOP PLATE	
PA1	3C	*	A64-1532-12	PANEL ASSY	K1
PA1	3C	*	A64-1534-12	PANEL ASSY	M2
210	3C		B07-2163-02	ESCUTCHEON	
211	3C	*	B10-2944-11	FRONT GLASS	K1
211	3C	*	B10-2946-11	FRONT GLASS	M2
-	-	-	B46-0100-50	WARRANTY CARD	
-	-	-	B46-0172-13	QUESTIONNAIRE CARD	K1
-	-	-	B46-0606-04	ID CARD	
-	-	*	B64-1269-00	INST.MANUAL(ENG,FRE,SPA,POR)	K1
-	-	*	B64-1270-00	INST.MANUAL(ENG,CHI)	M2
220	1C		D10-3031-04	LEVER	
221	2D		D10-4051-33	LEVER	
222	2D		D10-4052-03	LEVER	
223	2D		D21-2250-04	SHAFT	
224	3C	*	E29-1571-02	CONDUCTIVE RUBBER	
DC1	1C		E30-4517-05	DC CORD	K1
DC1	1C		E30-4518-05	DC CORD	M2
FC1	2D		E39-0180-05	FLAT CABLE	
F1	2D		F52-0006-05	FUSE(MINI BLADE TYPE)(10A)	
228	3C		G01-2738-04	COMPRESSION SPRING	
229	2D		G01-2792-04	EXTENSION SPRING	
230	2D		G02-1244-03	FLAT SPRING	
-	-	-	H10-4546-12	POLYSTYRENE FOAMED FIXTURE	
-	-	-	H25-0329-04	PROTECTION BAG (280X450X0.03)	
-	-	-	H25-0337-04	PROTECTION BAG (180X300X0.03)	
-	-	*	H54-1251-03	ITEM CARTON CASE	K1
-	-	*	H54-1253-03	ITEM CARTON CASE	M2
236	3C	*	J19-4878-12	HOLDER	
237	2D		J21-7726-04	MOUNTING HARDWARE	
238	1C		J21-7881-03	MOUNTING HARDWARE ASSY	
239	1C		J54-0606-04	STAY	
240	3C	*	K24-1924-14	KNOB(SRC)	
241	3C	*	K24-1948-04	KNOB(RELEASE)	
242	3C	*	K25-0965-03	KNOB(FM,AM,UP,DOWN,AUD)	
243	3C	*	K25-0967-03	KNOB(VOL,ATT,EJECT)	
244	3C	*	K25-1036-03	KNOB(AUTO,CLK)	
245	3C	*	K25-1037-03	KNOB(PRESET1-6)	
251	1C		N99-1610-15	SCREW SET	
252	1C		N99-1632-05	SCREW SET	
A	1D		N83-3005-46	PAN HEAD TAPTITE SCREW	
E	3C		N80-2006-46	PAN HEAD TAPTITE SCREW	
F	2C		N80-2008-45	PAN HEAD TAPTITE SCREW	
G	2D		N30-2608-45	PAN HEAD MACHINE SCREW	
ME1	2D		X92-3120-00	MECHANISM ASSY	

[DESTINATION]  
K1: KDC-2011S M2: KDC-2012

MC-Service

⚠ indicates safety critical components.

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# KDC-2011S/2012

## PARTS LIST

\* New Parts  
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Ref.No.	A d d	N e w	Parts No.	Description	Dest inati on
C27-30			CK73FB1C224K	CHIP C 0.22UF K	
C31			C90-2934-05	ELECTRO 0.47UF 50WV	
C32			C90-2598-05	ELECTRO 3.3UF 25WV	
C35,36			C90-2597-05	ELECTRO 10UF 16WV	
C37,38			C90-2610-05	ELECTRO 2.2UF 50WV	
C42			CC73GCH1H151J	CHIP C 150PF J	
C43			CK73GB1C273K	CHIP C 0.027UF K	
C44			CK73FB1H153KTA	CHIP C 0.015UF K	
C45			CK73FB1C224K	CHIP C 0.22UF K	
C46			CK73FB1C104K	CHIP C 0.10UF K	
C49			C90-2608-05	ELECTRO 1.0UF 50WV	
C50			CE04CW1A101M	ELECTRO 100UF 10WV	
C51			CK73GB1H103K	CHIP C 0.010UF K	
C52			CK73FB1C104K	CHIP C 0.10UF K	
C53			CK73GB1H103K	CHIP C 0.010UF K	
C54			CE04CW1A101M	ELECTRO 100UF 10WV	
C55,56			CK73GB1H103K	CHIP C 0.010UF K	
C57			CE04CW1A470M	ELECTRO 47UF 10WV	
C58			CE04CW1A101M	ELECTRO 100UF 10WV	
C59			CK73GB1C104K	CHIP C 0.10UF K	
C80			CK73FB1E473KTA	CHIP C 0.047UF K	
C81-84			CK73FB1C224K	CHIP C 0.22UF K	
CN1			E40-9550-05	FLAT CABLE CONNECTOR	
J1			E58-0863-05	RECTANGULAR RECEPTACLE	
J2			E63-0852-05	PHONO JACK	
J4		*	E58-0879-05	RECTANGULAR RECEPTACLE	
WH1			E30-4440-05	CORD WITH PLUG	
WH1			E30-4568-15	CORD WITH PLUG	
L1-3		*	L40-4795-91	SMALL FIXED INDUCTOR(4.7UH,J)	
L4,5		*	L40-4791-17	SMALL FIXED INDUCTOR(4.7UH,K)	
L6		*	L40-4795-91	SMALL FIXED INDUCTOR(4.7UH,J)	
L7		*	L40-4791-17	SMALL FIXED INDUCTOR(4.7UH,K)	
L10		*	L33-1119-05	CHOKE COIL ASSY	
X1		*	L78-0598-05	RESONATOR (10MHZ)	
X2			L78-0533-05	RESONATOR (32.768KHZ)	
B	1D		N80-3008-46	PAN HEAD TAPTITE SCREW	
C	2D		N86-2606-46	BINDING HEAD TAPTITE SCREW	
D	1D		N83-3020-46	PAN HEAD TAPTITE SCREW	
H	1D		N64-3010-46	PAN HEAD SEMS SCREW	
I	1D		N83-3006-46	PAN HEAD TAPTITE SCREW	
CP1			R90-1013-05	MULTI-COMP 22K X2	
CP2			R90-1022-05	MULTI-COMP 470 X2	
CP3			R90-0724-05	MULTI-COMP 1K X4	
CP4,5			R90-1013-05	MULTI-COMP 22K X2	
CP6			R90-0725-05	MULTI-COMP 1K X2	
CP7			R90-0724-05	MULTI-COMP 1K X4	
CP8			R90-0725-05	MULTI-COMP 1K X2	
R1			RK73FB2A223J	CHIP R 22K J 1/10W	
R2			RK73FB2A101J	CHIP R 100 J 1/10W	
R3			RK73FB2A103J	CHIP R 10K J 1/10W	
R4			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R5			RD14DB2H2R2J	SMALL-RD 2.2 J 1/2W	
R6			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R7			RK73FB2A152J	CHIP R 1.5K J 1/10W	
R8			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R9			RK73FB2A123J	CHIP R 12K J 1/10W	
R10			RK73FB2A153J	CHIP R 15K J 1/10W	
R11			RK73GB1J512J	CHIP R 5.1K J 1/16W	
R12			RK73GB1J104J	CHIP R 100K J 1/16W	
R13			RD14DB2H332J	SMALL-RD 3.3K J 1/2W	
R16			RK73GB1J562J	CHIP R 5.6K J 1/16W	
R17			RK73GB1J104J	CHIP R 100K J 1/16W	
R22			RK73FB2A473J	CHIP R 47K J 1/10W	
R23			RK73FB2A562J	CHIP R 5.6K J 1/10W	
R24			RK73EB2B472J	CHIP R 4.7K J 1/8W	M2
R25			R92-0366-05	CHIP R 560 J 1W	M2
R26			RK73FB2A223J	CHIP R 22K J 1/10W	M2
R27			RK73EB2B472J	CHIP R 4.7K J 1/8W	K1
R28			RD14DB2H102J	SMALL-RD 1.0K J 1/2W	
R29			RK73FB2A223J	CHIP R 22K J 1/10W	
R30			RD14DB2H102J	SMALL-RD 1.0K J 1/2W	
R31			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R32			RK73GB1J225J	CHIP R 2.2M J 1/16W	
R34			RK73GB1J564J	CHIP R 560K J 1/16W	
R35			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R36			RK73GB1J104J	CHIP R 100K J 1/16W	
R38			RK73GB1J470J	CHIP R 47 J 1/16W	
R42			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R43			RK73GB1J104J	CHIP R 100K J 1/16W	
R44			RK73GB1J101J	CHIP R 100 J 1/16W	
R45			RK73EB2B241J	CHIP R 240 J 1/8W	
R46			RK73FB2A473J	CHIP R 47K J 1/10W	K1
R46,47			RK73FB2A473J	CHIP R 47K J 1/10W	M2
R50,51			RK73GB1J473J	CHIP R 47K J 1/16W	K1
R51			RK73GB1J473J	CHIP R 47K J 1/16W	M2
R52			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R57			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R58			RK73GB1J473J	CHIP R 47K J 1/16W	
R63-66			RK73GB1J103J	CHIP R 10K J 1/16W	
R67			RK73FB2A104J	CHIP R 100K J 1/10W	
R68			RK73GB1J104J	CHIP R 100K J 1/16W	
R72			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R77			RK73FB2A101J	CHIP R 100 J 1/10W	
R78			RK73GB1J104J	CHIP R 100K J 1/16W	
R79			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R80			RK73FB2A101J	CHIP R 100 J 1/10W	
R81-84			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R85			RK73GB1J431J	CHIP R 430 J 1/16W	
R86			RK73FB2A751J	CHIP R 750 J 1/10W	
R87			RK73GB1J154J	CHIP R 150K J 1/16W	
R89			RK73FB2A393J	CHIP R 39K J 1/10W	
R97,98			RK73EB2B181J	CHIP R 180 J 1/8W	
R99,100			RK73GB1J223J	CHIP R 22K J 1/16W	
R101,102			RK73FB2A361J	CHIP R 360 J 1/10W	
R103			RK73FB2A272J	CHIP R 2.7K J 1/10W	
R104			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R105-107			RK73GB1J104J	CHIP R 100K J 1/16W	
R108-110			RK73GB1J222J	CHIP R 2.2K J 1/16W	

[DESTINATION]  
K1: KDC-2011S M2: KDC-2012

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# KDC-2011S/2012

## PARTS LIST

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Ref.No.	A d d	N e w	Parts No.	Description	Dest inati on
R126			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R127			RK73FB2A223J	CHIP R 22K J 1/10W	
R128			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R129			RK73FB2A223J	CHIP R 22K J 1/10W	
R130			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R151			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R152			RK73EB2B471J	CHIP R 470 J 1/8W	
R153-155			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R156			RK73EB2B222J	CHIP R 2.2K J 1/8W	
R159			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R160			RD14DB2H2R2J	SMALL-RD 2.2 J 1/2W	
R161			RK73EB2B151J	CHIP R 150 J 1/8W	
W1			R92-2053-05	CHIP R 0 J 1/8W	
W4 -7			R92-2053-05	CHIP R 0 J 1/8W	
W9 ,10			R92-2053-05	CHIP R 0 J 1/8W	
D1		*	S2V20#A	DIODE	
D2			AM01Z	DIODE	
D2			ERA15-01	DIODE	
D3			MA4056(N)-M	ZENER DIODE	
D4			MA4091(N)-L	ZENER DIODE	
D5			MA4082(N)-L	ZENER DIODE	
D6			MA4110-L	ZENER DIODE	
D7 ,8			MA4056(N)-M	ZENER DIODE	
D10,11			AM01Z	DIODE	
D10,11			ERA15-01	DIODE	
D12,13			AM01Z	DIODE	
D12,13			ERA15-01	DIODE	
D14,15			1SS133	DIODE	
D18,19			DAP202U	DIODE	
D18,19			MA142WA	DIODE	
D20			MA4051(N)-M	ZENER DIODE	
D23			RD6.8MW	ZENER DIODE	
IC1		*	UPD78016FGC558	MI-COM IC	
IC2		*	TDA7461ND	ANALOGUE IC	
IC4			TDA7384A	ANALOGUE IC	
IC5			PST9137NR	ANALOGUE IC	
IC6			HD74HC27FP	MOS-IC	
Q1			2SB1565F(E,F)	TRANSISTOR	
Q2			2SC1740S	TRANSISTOR	
Q3			DTA124EK	DIGITAL TRANSISTOR	
Q3		*	KRA103S	TRANSISTOR	
Q3			UN2112	DIGITAL TRANSISTOR	
Q4			DTC144EK	DIGITAL TRANSISTOR	
Q4			KRC104S	TRANSISTOR	
Q4			UN2213	DIGITAL TRANSISTOR	
Q6			2SB1184	TRANSISTOR	
Q7			2SC2412K	TRANSISTOR	
Q7			2SD601A	TRANSISTOR	
Q8			2SD2396F40	TRANSISTOR	
Q9			DTC144EUA	DIGITAL TRANSISTOR	
Q9		*	UN5213	DIGITAL TRANSISTOR	
Q10			DTA124EUA	DIGITAL TRANSISTOR	
Q10			UN5112	DIGITAL TRANSISTOR	
Q11			2SB1184	TRANSISTOR	
Q12			2SC1740S	TRANSISTOR	
Q13			2SC4081	TRANSISTOR	
Q13		*	2SD1819A	TRANSISTOR	
Q14			2SC2412K	TRANSISTOR	
Q14			2SD601A	TRANSISTOR	
Q15			2SA1036K	TRANSISTOR	
Q16			2SB1277(Q,R)	TRANSISTOR	
Q17			DTC114YK	DIGITAL TRANSISTOR	
Q17			UN2214	DIGITAL TRANSISTOR	
Q18			2SB1277(Q,R)	TRANSISTOR	
Q19			2SA1037K	TRANSISTOR	
Q20			DTA124EK	DIGITAL TRANSISTOR	
Q20		*	KRA103S	TRANSISTOR	
Q20			UN2112	DIGITAL TRANSISTOR	
Q21			DTC114YK	DIGITAL TRANSISTOR	
Q21			UN2214	DIGITAL TRANSISTOR	
Q22			DTC144EUA	DIGITAL TRANSISTOR	
Q22		*	UN5213	DIGITAL TRANSISTOR	
Q23			DTA124EK	DIGITAL TRANSISTOR	
Q23		*	KRA103S	TRANSISTOR	
Q23			UN2112	DIGITAL TRANSISTOR	
Q24,25			DTC144EK	DIGITAL TRANSISTOR	
Q24,25			KRC104S	TRANSISTOR	
Q24,25			UN2213	DIGITAL TRANSISTOR	
Q28,29			DTC143TK	DIGITAL TRANSISTOR	
Q28,29			UN2216	DIGITAL TRANSISTOR	
Q30			2SB1277(Q,R)	TRANSISTOR	
Q31			DTC124EK	DIGITAL TRANSISTOR	
Q31			UN2212	DIGITAL TRANSISTOR	
Q32			2SB1277(Q,R)	TRANSISTOR	
Q33			DTC124EK	DIGITAL TRANSISTOR	
Q33			UN2212	DIGITAL TRANSISTOR	
Q38			DTA114YK	DIGITAL TRANSISTOR	
Q38			UN2114	DIGITAL TRANSISTOR	
TH1			PT72A80C	POSITIVE RESISTOR	
A1		3D *	X86-3090-11	TUNER UNIT	
CD PLAYER UNIT(X32-4280-00)					
C1,2			CK73EB1C105K	CHIP C 1.0UF K	
C3,4			C92-0509-05	CHIP-TAN 10UF 6.3WV	
C5			CC73FCH1H220J	CHIP C 22PF J	
C6			CC73FCH1H020C	CHIP C 2.0PF C	
C7			CK73FB1C104K	CHIP C 0.10UF K	
C8			CK73EB1C105K	CHIP C 1.0UF K	
C9			CC73FCH1H101J	CHIP C 100PF J	
C10,11			CK73FB1H682K	CHIP C 6800PF K	
C12			CK73FB1H222K	CHIP C 2200PF K	
C13			CK73FB1E273KTA	CHIP C 0.027UF K	
C14			CK73FB1H472K	CHIP C 4700PF K	
C15			CK73FB1E473KTA	CHIP C 0.047UF K	
C16			CC73FCH1H101J	CHIP C 100PF J	
C17			CK73FB1H222K	CHIP C 2200PF K	
C18			CC73FCH1H391J	CHIP C 390PF J	
C19,20			CK73FB1C104K	CHIP C 0.10UF K	
C21			C92-0509-05	CHIP-TAN 10UF 6.3WV	
C22			CK73FB1C104K	CHIP C 0.10UF K	

[DESTINATION]  
K1: KDC-2011S M2: KDC-2012  
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MC-Service

⚠ indicates safety critical components.

# KDC-2011S/2012

## PARTS LIST

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Ref.No.	A d d	N e w	Parts No.	Description	Dest inati on
C23			CK73FB1H102K	CHIP C 1000PF K	
C24			CK73FB1H223KTA	CHIP C 0.022UF K	
C25			CK73FB1H123K	CHIP C 0.012UF K	
C26			CK73FB1C104K	CHIP C 0.10UF K	
C27			CC73FCH1H101J	CHIP C 100PF J	
C28			CK73EB1C105K	CHIP C 1.0UF K	
C31			CK73EB1C105K	CHIP C 1.0UF K	
C41			C92-1335-05	ELECTRO 4.7UF 16WV	
C42			CK73FB1C104K	CHIP C 0.10UF K	
C43			CK73FB1H123K	CHIP C 0.012UF K	
C44			CK73FB1C104K	CHIP C 0.10UF K	
C45			CK73FB1H223KTA	CHIP C 0.022UF K	
C51			CK73EB1C105K	CHIP C 1.0UF K	
C53			C92-0509-05	CHIP-TAN 10UF 6.3WV	
C54			CK73FB1C104K	CHIP C 0.10UF K	
C55,56			CK73EB1C105K	CHIP C 1.0UF K	
C57,58			CK73FB1C224K	CHIP C 0.22UF K	
C61,62			CC73FCH1H471J	CHIP C 470PF J	
C63,64			CC73FCH1H680J	CHIP C 68PF J	
C65,66			CK73FB1H222K	CHIP C 2200PF K	
C101			CC73FCH1H221J	CHIP C 220PF J	
C102			CK73FB1C104K	CHIP C 0.10UF K	
C201			CC73FCH1H471J	CHIP C 470PF J	
C202,203			CK73FB1C104K	CHIP C 0.10UF K	
CN1			E40-9536-05	FLAT CABLE CONNECTOR	
CN2			E40-9339-05	FLAT CABLE CONNECTOR	
L1			L40-1001-31	SMALL FIXED INDUCTOR(10UH)	
X1			L78-0620-05	RESONATOR (16.93MHZ)	
X2			L78-0528-05	RESONATOR (8.38MHZ)	
R1			RK73FB2A243J	CHIP R 24K J 1/10W	
R2			RK73FB2A183J	CHIP R 18K J 1/10W	
R3			RK73FB2A154J	CHIP R 150K J 1/10W	
R4			RK73FB2A155J	CHIP R 1.5M J 1/10W	
R5			RK73FB2A910J	CHIP R 91 J 1/10W	
R6			RK73FB2A154J	CHIP R 150K J 1/10W	
R7			RK73FB2A155J	CHIP R 1.5M J 1/10W	
R8			RK73EB2B47J	CHIP R 4.7 J 1/8W	
R9			RK73EB2B100J	CHIP R 10 J 1/8W	
R10,11			RK73FB2A912J	CHIP R 9.1K J 1/10W	
R12			RK73FB2A562J	CHIP R 5.6K J 1/10W	
R13			RK73FB2A683J	CHIP R 68K J 1/10W	
R14,15			RK73FB2A824J	CHIP R 820K J 1/10W	
R16			RK73FB2A223J	CHIP R 22K J 1/10W	
R17			RK73FB2A393J	CHIP R 39K J 1/10W	
R18			RK73FB2A392J	CHIP R 3.9K J 1/10W	
R19			RK73FB2A333J	CHIP R 33K J 1/10W	
R20			RK73FB2A104J	CHIP R 100K J 1/10W	
R21			RK73FB2A224J	CHIP R 220K J 1/10W	
R31			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R32			RK73FB2A104J	CHIP R 100K J 1/10W	
R33			RK73FB2A155J	CHIP R 1.5M J 1/10W	
R34			RK73FB2A333J	CHIP R 33K J 1/10W	
R35			RK73FB2A104J	CHIP R 100K J 1/10W	
R36			RK73FB2A111J	CHIP R 110 J 1/10W	
R37			RK73FB2A471J	CHIP R 470 J 1/10W	
R38			RK73FB2A224J	CHIP R 220K J 1/10W	
R39			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R41			RK73FB2A101J	CHIP R 100 J 1/10W	
R42			RK73FB2A104J	CHIP R 100K J 1/10W	
R43			RK73FB2A101J	CHIP R 100 J 1/10W	
R44			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R45			RK73FB2A103J	CHIP R 10K J 1/10W	
R46			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R47			RK73FB2A103J	CHIP R 10K J 1/10W	
R48-50			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R51			RK73FB2A101J	CHIP R 100 J 1/10W	
R52			RK73FB2A104J	CHIP R 100K J 1/10W	
R53			RK73FB2A101J	CHIP R 100 J 1/10W	
R54			RK73FB2A104J	CHIP R 100K J 1/10W	
R55			RK73FB2A101J	CHIP R 100 J 1/10W	
R56			RK73FB2A104J	CHIP R 100K J 1/10W	
R57			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R58-61			RK73FB2A101J	CHIP R 100 J 1/10W	
R63,64			RK73FB2A101J	CHIP R 100 J 1/10W	
R65,66			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R67			RK73FB2A101J	CHIP R 100 J 1/10W	
R68			RK73FB2A104J	CHIP R 100K J 1/10W	
R69			RK73FB2A101J	CHIP R 100 J 1/10W	
R71			RK73FB2A752J	CHIP R 7.5K J 1/10W	
R72			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R73			RK73FB2A333J	CHIP R 33K J 1/10W	
R74			RK73FB2A822J	CHIP R 8.2K J 1/10W	
R75			RK73FB2A273J	CHIP R 27K J 1/10W	
R76			RK73FB2A512J	CHIP R 5.1K J 1/10W	
R77			RK73FB2A393J	CHIP R 39K J 1/10W	
R78			RK73FB2A153J	CHIP R 15K J 1/10W	
R79			RK73FB2A202J	CHIP R 2.0K J 1/10W	
R80			RK73FB2A162J	CHIP R 1.6K J 1/10W	
R81			RK73FB2A273J	CHIP R 27K J 1/10W	
R82			RK73FB2A562J	CHIP R 5.6K J 1/10W	
R83			RK73FB2A561J	CHIP R 560 J 1/10W	
R91,92			RK73FB2A332J	CHIP R 3.3K J 1/10W	
R93,94			RK73FB2A562J	CHIP R 5.6K J 1/10W	
R95,96			RK73FB2A203J	CHIP R 20K J 1/10W	
R101-106			RK73FB2A203J	CHIP R 20K J 1/10W	
R107,108			RK73FB2A681J	CHIP R 680 J 1/10W	
R201,202			RK73FB2A392J	CHIP R 3.9K J 1/10W	
R203,204			RK73FB2A204J	CHIP R 200K J 1/10W	
R205			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R301			RK73FB2A105J	CHIP R 1.0M J 1/10W	
R302			RK73FB2A225J	CHIP R 2.2M J 1/10W	
R303			RK73FB2A473J	CHIP R 47K J 1/10W	
W1			R92-2052-05	CHIP R 0 J 1/10W	
S1,2			S68-0822-05	PUSH SWITCH	
S3			S68-0823-05	PUSH SWITCH	
D1,2			DAN202K	DIODE	
D11			DAN202K	DIODE	
IC1			AN8806SB	ANALOGUE IC	

[DESTINATION]  
K1: KDC-2011S M2: KDC-2012  
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⚠ indicates safety critical components.

# KDC-2011S/2012

## PARTS LIST

\* New Parts

Parts without Parts No. are not

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref.No.	A d d	N e w	Parts No.	Description	Dest inati on
IC2			MN662747RPH	MOS-IC	
IC3			M37471M8-708FP	MI-COM IC	
IC4			BA6790FP	ANALOGUE IC	
IC5			TA78L05F	IC(VOLTAGE REGULATOR/ +5V)	
IC6			NJM4565MD	IC(OP AMP X2)	
Q1			2SA1362(Y)	TRANSISTOR	
Q2			DTC124EK	DIGITAL TRANSISTOR	
Q3			2SA1362(Y)	TRANSISTOR	
Q5			DTC124EK	DIGITAL TRANSISTOR	
Q6			2SA1037K	TRANSISTOR	
Q12			DTC124EK	DIGITAL TRANSISTOR	
Q21			2SA1576A	TRANSISTOR	
<b>MECHANISM ASSY(X92-3120-00)</b>					
1	2A		A10-4224-41	CHASSIS	
2	1B		A10-4225-33	CHASSIS CALKING ASSY	
3	2B		A11-0915-23	SUB CHASSIS CALKING ASSY	
5	2A		D10-3082-13	ARM	
6	2A		D10-3083-44	ARM ASSY	
7	2A		D10-3084-44	ARM ASSY	
8	3A		D10-3087-44	ARM ASSY	
9	3B		D10-3092-03	SLIDER	
10	3B		D10-3093-04	SLIDER ASSY	
11	2B		D10-3095-04	SLIDER ASSY	
12	2B		D10-3096-04	SLIDER ASSY	
13	1A		D10-3099-24	SLIDER ASSY	
14	1A		D10-3100-04	SLIDER ASSY	
16	1B		D10-4004-04	LEVER ASSY	
17	1B		D10-4006-04	LEVER	
18	1A		D10-4007-04	LEVER	
19	2B		D10-4008-04	LEVER	
20	2A		D10-4009-23	ARM	
21	3A		D10-4010-04	LEVER	
22	3A		D10-4011-34	LEVER ASSY	
23	3A		D10-4013-14	ARM ASSY	
24	3B		D10-4050-04	ARM	
25	2A		D10-4038-23	ARM ASSY	
26	2A		D10-4123-14	LEVER ASSY	
27	3A		D13-1340-13	RACK (GEAR)	
29	3B		D13-1231-04	GEAR	
30	3A		D13-1240-04	GEAR	
31	3B		D13-1233-04	GEAR	
32	3B		D13-1234-14	GEAR ASSY	
33	3A		D13-1238-03	GEAR	
34	3B		D13-1232-04	GEAR	
35	3B		D13-1241-04	GEAR	
36	3A		D13-1242-04	GEAR	
37	1B		D13-1243-04	GEAR	
38	1B		D13-1244-04	GEAR	
39	1B		D13-1245-14	GEAR	
40	2A		D13-1246-04	GEAR	
41	2B		D13-1247-04	GEAR	
43	2B		D13-1249-04	GEAR ASSY	
44	2B		D13-1341-04	GEAR ASSY	
45	1B		D14-0668-04	ROLLER	

Ref.No.	A d d	N e w	Parts No.	Description	Dest inati on
46	2A		D14-0670-04	ROLLER	
47	3B		D14-0674-04	ROLLER	
49	3A		D21-2228-04	SHAFT	
50	1A		D21-2229-04	SHAFT	
51	1A		D23-0925-24	RETAINER	
52	2A		D32-0614-04	STOPPER	
53	1B		D39-0223-05	DAMPER(YELLOW)	
54	2B		D39-0224-05	DAMPER(BLACK)	
55	3B		F09-1246-04	SHEET	
58	3B		F09-1266-14	SHEET	
60	2A		G01-2770-04	EXTENSION SPRING	
61	3A		G01-2771-04	EXTENSION SPRING	
62	3A		G01-2772-24	EXTENSION SPRING	
63	3A		G01-2773-14	EXTENSION SPRING	
64	3A		G01-2774-34	EXTENSION SPRING	
65	1B		G01-2775-04	TORSION COIL SPRING	
66	1B		G01-2776-14	TORSION COIL SPRING	
67	3B		G01-2777-24	TORSION COIL SPRING	
69	2A		G01-2844-04	EXTENSION SPRING	
70	2A		G02-1231-04	FLAT SPRING	
71	2B		G02-1232-14	FLAT SPRING	
72	2A		G02-1241-24	FLAT SPRING	
73	2A		G02-1248-14	FLAT SPRING	
74	3A		G02-1250-04	FLAT SPRING	
75	2A		J11-0613-13	CLAMPER	
76	3A		J19-4678-13	HOLDER	
77	2B		J19-4679-24	HOLDER	
78	3B		J21-7684-13	MOUNTING HARDWARE	
79	2B		J21-7686-13	MOUNTING HARDWARE	
80	1B		J21-7690-03	MOUNTING HARDWARE	
81	3A		J31-1032-04	COLLAR	
82	3A		J84-0060-15	FLEXIBLE PRINTED WIRING BOARD	
83	1A		J90-0757-22	GUIDE	
A	2A		N09-4249-05	MACHINE SCREW (M1.7X2.5,LOCK)	
B	1B		N09-4172-05	TAPPING SCREW (2X3.5,C)	
C	2B		N09-4202-05	STEPPED SCREW	
D	2A		N38-2020-46	PAN HEAD MACHIN SCREW	
E	3A		N09-4294-05	TAPTITE SCREW (BIND P TAPTIT)	
F	3B		N19-2023-04	FLAT WASHER	
G	2A		N19-2058-04	FLAT WASHER	
H	3A		N19-2093-04	FLAT WASHER	
M1	3B		T42-0764-04	MOTOR ASSY	
M2	3B		T42-0763-04	MOTOR ASSY	
PU1	2B		T25-0209-05	OPTICAL PICKUP HEAD	

[DESTINATION]

K1: KDC-2011S M2: KDC-2012

MC-Service

⚠ indicates safety critical components.

# KDC-2011S/2012

## SPECIFICATIONS

### FM

Frequency Range	
KDC-2011S(K)	87.9 ~ 107.9MHz
KDC-2012(M)	87.5 ~ 108.0MHz
Frequency Step	
KDC-2011S(K)	200kHz
KDC-2012(M)	50kHz
Usable Sensitivity (S/N : 30dB)	9.3dBf (0.8 $\mu$ V/75 $\Omega$ )
Quieting Sensitivity (S/N : 50dB)	15.2dBf (1.6 $\mu$ V/75 $\Omega$ )
Frequency Response ( $\pm$ 3.0dB)	30Hz ~ 15kHz
S/N	70dB (MONO)
Selectivity	$\geq$ 80dB ( $\pm$ 400kHz)
STEREO Separation	40dB (1kHz)

### AM

Frequency Range	
KDC-2011S(K)	530 ~ 1700kHz
KDC-2012(M)	531 ~ 1611kHz
Frequency Step	
KDC-2011S(K)	10kHz
KDC-2012(M)	9kHz
Usable Sensitivity	28dB (25 $\mu$ V)

### CD

Laser Diode	GaAlAs ( $\lambda$ = 780nm)
Digital Filter (D/A)	8Times Over Sampling
D/A Converter	1Bit
Spindle Speed	500 ~ 200 (CLV)
Wow & Flutter	Below Measurable Limit
Frequency Response	10 ~ 20kHz ( $\pm$ 1dB)
Total Harmonic Distortion	0.01% (1kHz)
S/N Ratio	93dB (1kHz)
Dynamic Range	93dB
Channel Separation	85dB

### AUDIO

Preout Level/Load	1800mV/10k $\Omega$
Preout Impedance	$\leq$ 600 $\Omega$
Max Power	40W X 4
PWR (4 $\Omega$ , 30 ~ 20kHz, 1%THD)	20W X 4
Tone Action	
Bass	100Hz $\pm$ 10dB
Treble	10kHz $\pm$ 10dB

### GENERAL

Operating Voltage (11 ~ 16V allowable)	14.4V
Current Consumption	10.0A at rated power
Installation Size (W x H x D)	182 X 53 X 159mm
Weight	1800g

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

## KENWOOD CORPORATION

14-6, Dogenzaka 1-chome, Shibuya-ku, Tokyo, 150-8501 Japan

### KENWOOD SERVICE CORPORATION

P.O. Box 22745, 2201 East Dominguez Street,  
Long Beach, CA90801-5745, U.S.A.

### KENWOOD ELECTRONICS CANADA INC.

6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

### KENWOOD ELECTRONICS LATIN AMERICA S.A.

P.O. Box 55-2791, Piso 6, Plaza Chase, Cl. 47 y,  
Aquilino de la Guardia, Panama, Republic of Panama

### KENWOOD ELECTRONICS BRASIL LTDA.

Av. Moema, 170-17", Andar-Cobertura "B",  
Ed. Maximum Service Center, 04077-020 Moema,  
São Paulo-SP-Brasil

### KENWOOD ELECTRONICS UK LIMITED

Kenwood House, Dwight Road, Watford,  
Herts, WD1 8EB, United Kingdom

### KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrücker Str. 15, 63150 Heusenstamm, Germany

### KENWOOD ELECTRONICS FRANCE S.A.

13, Boulevard Ney, 75018 Paris, France

### KENWOOD ELECTRONICS BELGIUM N.V.

Mechelsesteenweg 418, B-1930 Zaventem, Belgium

### KENWOOD ELECTRONICS ITALIA S.p.A.

Via G. Sirtori 7/9, 20129 Milano, Italy

### KENWOOD IBÉRICA S.A.

Bolivia, 239-08020 Barcelona, Spain

### KENWOOD ELECTRONICS AUSTRALIA PTY. LTD.

(A.C.N. 001 499 074)  
8 Figtree Drive, Australia Centre, Homebush, N.S.W. 2140, Australia

### KENWOOD & LEE ELECTRONICS LTD.

Unit 3712-3724, Level 37, Tower 1, Metroplaza,  
223 Hing Fong Road, Kwai Fong, N.T., Hong Kong

### KENWOOD ELECTRONICS GULF FZE

P.O.Box 61318, Jebel Ali, Dubai, U.A.E.

### KENWOOD ELECTRONICS (THAILAND) CO., LTD.

573/111 Soi Ramkhamhaeng 39, Ramkhamhaeng Road,  
Wangthonglang, Bangkok, 10310 Thailand

### KENWOOD ELECTRONICS SINGAPORE PTE LTD.

1 Genting Lane, #07-00, Kenwood Building, Singapore 349544

### KENWOOD ELECTRONICS (MALAYSIA) SDN BHD

#4.01 Level 4, Wisma Academy, Lot 4A, Jalan 19/1,  
46300 Petaling Jaya, Selangor, Malaysia